

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (Previously Presented): An anomalous shadow detection system comprising  
anomalous shadow detecting means for detecting a suspected anomalous shadow from  
image data descriptive of an inputted image according to a prescribed detection process, and  
image output means for outputting information including at least information identifying  
the detected suspected anomalous shadow, wherein  
the image output means further outputs value(s) of one or more standard parameters  
concerning the suspected anomalous shadow together with the information including at least the  
information identifying the suspected anomalous shadow, wherein each of said one or more  
standard parameters is a parameter used for distinguishing the suspected anomalous shadow from  
a normal shadow.
2. (Original): An anomalous shadow detection system according to Claim 1, wherein the  
image output means is either of image display means or printing means.
3. (Original): An anomalous shadow detection system according to Claim 1, wherein the  
image output means further outputs certainty of detection of the suspected anomalous shadow  
together with the information including the information identifying the suspected anomalous  
shadow.
4. (Original): An anomalous shadow detection system according to Claim 3, wherein the  
image output means is either of image display means or printing means.

5. (Original): An anomalous shadow detection system according to Claim 1, wherein said one or more standard parameters include at least one of calcification density, image density concentration of the suspected anomalous shadow, an output value of an iris filter, and malignancy/benignancy of the suspected anomalous shadow.

6. (Original): An anomalous shadow detection system according to Claim 5, wherein the image output means is either of image display means or printing means.

7. (Original): An anomalous shadow detection system according to Claim 1, wherein said one or more standard parameters include at least one of calcification density, image density concentration of the suspected anomalous shadow, an output value of an iris filter, and malignancy/benignancy of the suspected anomalous shadow, and wherein

the image output means further outputs certainty of detection of the suspected anomalous shadow together with the information including the information identifying the suspected anomalous shadow.

8. (Original): An anomalous shadow detection system according to Claim 7, wherein the image output means is either of image display means or printing means.

9.-10. (canceled).

11. (Previously Presented): An anomalous shadow detection system according to Claim 1, wherein said one or more standard parameters include at least one of calcification density, image density concentration of the suspected anomalous shadow, an output value of an iris filter, and malignancy/benignancy of the suspected anomalous shadow.

12. (Original): An anomalous shadow detection system according to Claim 11, wherein the image output means is either of image display means or printing means.

AMENDMENT UNDER 37 C.F.R. § 1.116  
U.S. Appln. No. 09/784,112

13. (Previously Presented): An anomalous shadow detection system according to Claim 1, wherein said one or more standard parameters include at least one of calcification density, image density concentration of the suspected anomalous shadow, an output value of an iris filter, and malignancy/benignancy of the suspected anomalous shadow, and wherein

the image output means further outputs certainty of detection of the suspected anomalous shadow together with the information including the information identifying the suspected anomalous shadow.

14. (Original): An anomalous shadow detection system according to Claim 13, wherein the image output means is either of image display means or printing means.

15. (Previously Presented): An anomalous shadow detection system comprising anomalous shadow detecting means for detecting a suspected anomalous shadow from image data descriptive of an inputted image according to a prescribed detection process, and image output means for outputting information including at least information identifying the detected suspected anomalous shadow, wherein

the image output means further outputs certainty of detection of the suspected anomalous shadow together with the information including the information identifying the suspected anomalous shadow.

16. (Original): An anomalous shadow detection system according to Claim 15, wherein the image output means is either of image display means or printing means.

17. (Currently Amended): An anomalous shadow detection system according to any one of Claims 1-8, and ~~[[10-16]]~~ 11-16, wherein the information identifying the suspected anomalous

AMENDMENT UNDER 37 C.F.R. § 1.116  
U.S. Appln. No. 09/784,112

shadow is either of an image of the suspected anomalous shadow or numerical data descriptive of a position, morphology or size of the suspected anomalous shadow.